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| Substitute for form 1449A/B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |            |    |   | <b>Complete if Known</b> |                       |
|  |            |    |   | Application Number       | Unassigned            |
|  |            |    |   | Filing Date              | December 15, 2003     |
|  |            |    |   | First Named Inventor     | Lubomyr M. Cymbalisty |
|  |            |    |   | Group Art Unit           | Unassigned            |
| Examiner Name  | Unassigned |    |   |                          |                       |
| Sheet  | 1          | of | 1 | Attorney Docket Number   | 225593                |

| U.S. PATENT DOCUMENTS |          |                              |           |                               |                     |                            |
|-----------------------|----------|------------------------------|-----------|-------------------------------|---------------------|----------------------------|
| Examiner Initials     | Doc. No. | U.S. Patent Document         |           | Name of Patentee or Applicant | Date of Publication | Filing Date If Appropriate |
|                       |          | Application or Patent Number | Kind Code |                               |                     |                            |
| DL                    | AA       | 4,328,710                    | B1        | Cymbalisty et al.             | 05/11/82            |                            |
| DL                    | AB       | 4,365,974                    | B1        | Elmore et al.                 | 12/28/82            |                            |
| DL                    | AC       | 4,597,852                    | B1        | York et al.                   | 07/01/86            |                            |
| DL                    | AD       | 4,721,560                    | B1        | York et al.                   | 01/26/88            |                            |
| DL                    | AE       | 4,786,368                    | B1        | York et al.                   | 11/22/88            |                            |
| DL                    | AF       | 5,039,227                    | B1        | Leung et al.                  | 08/13/91            |                            |
| DL                    | AG       | 5,264,118                    | B1        | Cymerman et al.               | 11/23/93            |                            |
| DL                    | AH       | 5,839,828                    | B1        | Robert W. Glanville           | 11/24/98            |                            |
| DL                    | AI       | 5,965,784                    | B1        | Bracou et al.                 | 10/12/99            |                            |
| DL                    | AJ       | 5,967,658                    | B1        | Kim Mohajer                   | 10/19/99            |                            |
| DL                    | AK       | 6,119,870                    | B1        | Maciejewski et al.            | 09/19/00            |                            |
| DL                    | AL       | 6,214,213                    | B1        | Tipman et al.                 | 04/10/01            |                            |
| DL                    | AM       | 6,264,900                    | B1        | Schubert et al.               | 07/24/01            |                            |
| DL                    | AN       | 3,313,577                    | B1        | S.E. Wolfe                    | 04/11/67            |                            |
| DL                    | AO       | 5,080,534                    | B1        | Goodson et al.                | 01/14/92            |                            |
| DL                    | AP       | 630,605                      | B1        | Gordon et al.                 | 08/08/1899          |                            |
| DL                    | AQ       | 1,451,272                    | B1        | A.W. Robinson                 | 04/10/1923          |                            |
| DL                    | AR       | 1,662,178                    | B1        | Nathaniel A. Yuille           | 03/13/28            |                            |
| DL                    | AS       | 4,111,402                    | B1        | Richard J. Barbini            | 09/05/78            |                            |
| DL                    | AT       | 4,314,974                    | B1        | Libby et al.                  | 02/09/82            |                            |
| DL                    | AU       | 4,725,287                    | B1        | Gregoli et al.                | 02/16/88            |                            |
| DL                    | AV       | 4,983,319                    | B1        | Gregoli et al.                | 01/08/91            |                            |
| DL                    | AW       | 5,597,236                    | B1        | Julian B. Fasano              | 01/28/97            |                            |
| DL                    | AX       | 6,354,730                    | B1        | Reeder et al.                 | 03/12/2002          |                            |
| DL                    | AY       | 6,467,949                    | B1        | Reeder et al.                 | 10/22/2002          |                            |

| FOREIGN PATENT DOCUMENTS |          |                         |                              |           |                               |                     |             |      |
|--------------------------|----------|-------------------------|------------------------------|-----------|-------------------------------|---------------------|-------------|------|
| Examiner Initials        | Doc. No. | Foreign Patent Document |                              |           | Name of Patentee or Applicant | Date of Publication | Translation |      |
|                          |          | Office                  | Application or Patent Number | Kind Code |                               |                     | Yes         | No** |
| DL                       | B A      | GB                      | 521,548                      | B1        | E.F. Spanner                  | 05/24/1940          |             |      |
| DL                       | B B      | GB                      | 569,000                      | B1        | E.F. Spanner                  | 04/30/45            |             |      |

| OTHER - NON PATENT LITERATURE DOCUMENTS |          |  |             |      |
|---|----------|--|-------------|------|
| Examiner Initials                       | Doc. No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published. | Translation |      |
|   |          |  | Yes         | No** |
| DL                                      | CA       | Map entitled "What of the future" Tar sand areas of the world are now in focus, page 62a, <i>Construction Alberta News</i> , dated May 23, 1977.   |             |      |
| DL                                      | CB       | Map entitled "Oil Sands Region", dated December 8, 2000.   |             |      |
| DL                                      | CD       | Article entitled "Are Motionless Mixers on the Move?", <i>Process Engineering</i> , 10-22 thru 10-24.  |             |      |
| DL                                      | CE       | Article entitled "The Potential of Helically Ribbed Pipes for Solids Transport" by W. Schriek; Reprinted from the Canadian Mining and Metallurgical Bulletin. October, 1974.   |             |      |

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|--------------------|---|-----------------|-----------|
| Examiner Signature |  | Date Considered | 8/16/2005 |
|--------------------|---|-----------------|-----------|

- \* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
- \* An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).